NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P2-2

Date: 10-04-2023

To,
The Executive Engineer,
Yelahanka Division
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of work: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

Item No	Description of work	Unit	Qty	Remarks
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications,	cum	471.03	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid	Cum	349.93	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting	Nos	987.00	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces	Sqm	982.34	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tonn	7.08	Work done upto the Billed Quantity and the Quality is Satisfactory
12	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The	Cum	124.74	Work done upto the Billed Quantity and the Quality is Satisfactory
13	Providing and fixing 100 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed	Sqm	527.56	Work done upto the Billed Quantity and the Quality is Satisfactory
18	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2	Sqm	1745.79	Work done upto the Billed Quantity and the Quality is Satisfactory
20	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications,	Cum	1671.48	Work done upto the Billed Quantity and the Quality is Satisfactory
21	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and	Cum	563.77	Work done upto the Billed Quantity and the Quality is Satisfactory
22	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site,	Cum	317.25	Work done upto the Billed Quantity and the Quality is Satisfactory
23	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	1586.25	Work done upto the Billed Quantity and the Quality is Satisfactory
24	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler,	cum	93.83	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	cum	43.51	Work done upto the Billed Quantity and the Quality is Satisfactory

A.E

AG-02

Item No	Description of work	Unit	Qty	Remarks
25	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Volume-3	Sqm	2159.77	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Sqm	6354.63	Work done upto the Billed Quantity and the Quality is Satisfactory
26	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the	cum	86.39	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	cum	254.19	Work done upto the Billed Quantity and the Quality is Satisfactory
27	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished	Sqm	279.36	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Sqm	422.50	Work done upto the Billed Quantity and the Quality is Satisfactory
28	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid	cum	325.84	Work done upto the Billed Quantity and the Quality is Satisfactory
29	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine	cum	653.84	Work done upto the Billed Quantity and the Quality is Satisfactory
30	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	T.Km	8407.86	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

NEWZEN CONSULTANT ★ Bangalore ★

A.E.F

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P2-2

Date: 10-04-2023

To,
The Executive Engineer,
RI Yelahanka
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of work: Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02)

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in	Cum	349.93	4	Per 100 cum
2	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in	Nos	987.00	2	Per 500 Nos
3	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.	Tn	7.08	1	Per Dia
4	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works	Cum	124.74	6	Per 50 cum
5	Providing and fixing 100 mm thick Pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate	Sqm	527.56	2	Per 500 Sqm
6	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of	Sqm	1745.79	4	Per 500 Sqm

A.E.E.

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
7	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material	Cum	563.77	2	Per 400 cum
8	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material	Cum	317.25	2	Per 200 cum
9	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-	Cum	137.34	2	Per 100 cum
10	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading,	Cum	340.58	4	Per 100 cum
11	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed	Cum	325.84	4	Per 100 cum
12	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43	Cum	653.84	14	Per 100 cum

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

A.E.E.